



OIL REPORT

LAB NUMBER: J30931

UNIT ID: 31109-TR

REPORT DATE: 5/15/2017

CLIENT ID: 80808

CODE: 20/133

PAYMENT: Prepaid (Bulk)

UNIT	MAKE/MODEL: Transmission Eaton	OIL TYPE & GRADE: Synthetic 50W Lube
	FUEL TYPE:	OIL USE INTERVAL: 100,000 Miles
	ADDITIONAL INFO: 2010 Peterbilt 386, 13 Speed	

CLIENT	KENT DYMENT	PHONE: [REDACTED]
	[REDACTED]	FAX: [REDACTED]
	[REDACTED]	ALT PHONE: [REDACTED]
	[REDACTED]	EMAIL: [REDACTED]
	[REDACTED]	

COMMENTS
 KENT: Most of the wear metals are nice and low in this transmission sample, but there is some extra copper compared to universal averages, which show typical wear for an Eaton transmission after around 154,000 miles. Copper is from brass/bronze parts, but it's hard to narrow it down from there. This could be a bushing of some sort or perhaps a bearing. Since the other metals are so low, the best course of action is just to check back. No moisture showed up and insolubles are nice and low. Assuming this oil is still in use, add another 25,000 miles to it and check back.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	100,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	750,000						
	Sample Date	5/8/2017						
	Make Up Oil Added							
ALUMINUM	6	6					5	
CHROMIUM	1	1					1	
IRON	93	93					145	
COPPER	152	152					70	
LEAD	0	0					3	
TIN	0	0					1	
MOLYBDENUM	0	0					4	
NICKEL	0	0					0	
MANGANESE	1	1					6	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	0	0					10	
BORON	223	223					104	
SILICON	9	9					19	
SODIUM	3	3					19	
CALCIUM	38	38					542	
MAGNESIUM	1	1					52	
PHOSPHORUS	1019	1019					1134	
ZINC	4	4					311	
BARIIUM	0	0					1440	

PROPERTIES	Values Should Be*					
SUS Viscosity @ 210°F	79.9	80-95				
cSt Viscosity @ 100°C	15.51	15.5-19.4				
Flashpoint in °F	455	>375				
Fuel %	-	<0.0				
Antifreeze %	-					
Water %	0.0	<0.1				
Insolubles %	0.1	<0.7				
TBN						
TAN						
ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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